NEDSS System Architecture

NEDSS Systems Architecture Elements
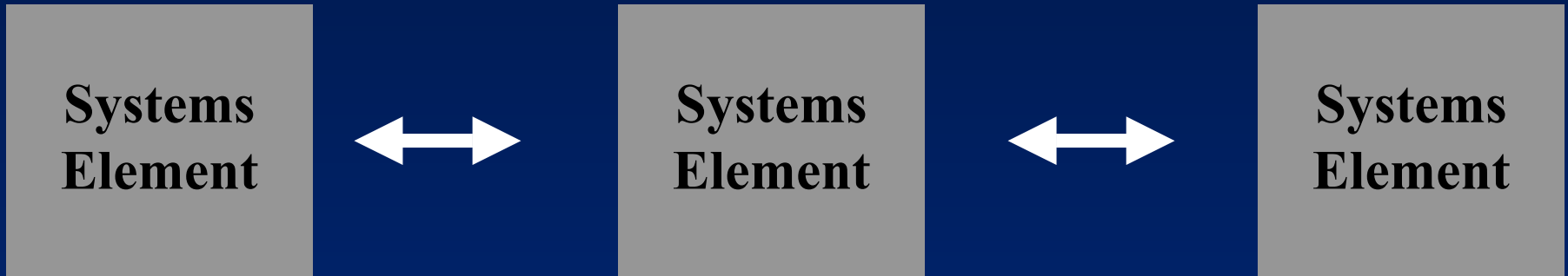
Systems Element	←→	Systems Element	←→	Systems Element

- The NEDSS architecture is currently built around 8 elements that are functionally and technically defined.

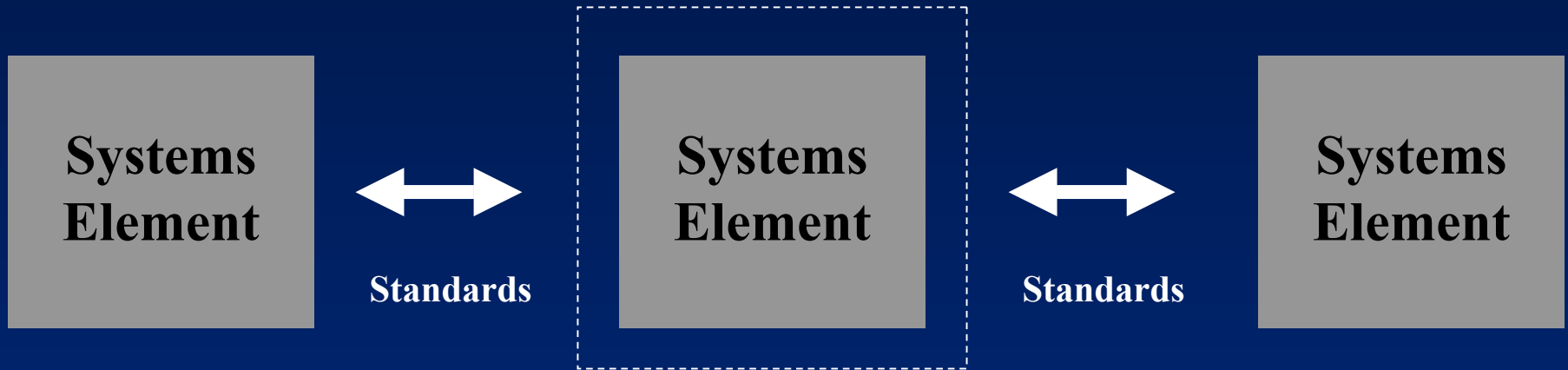# NEDSS Systems Architecture Elements
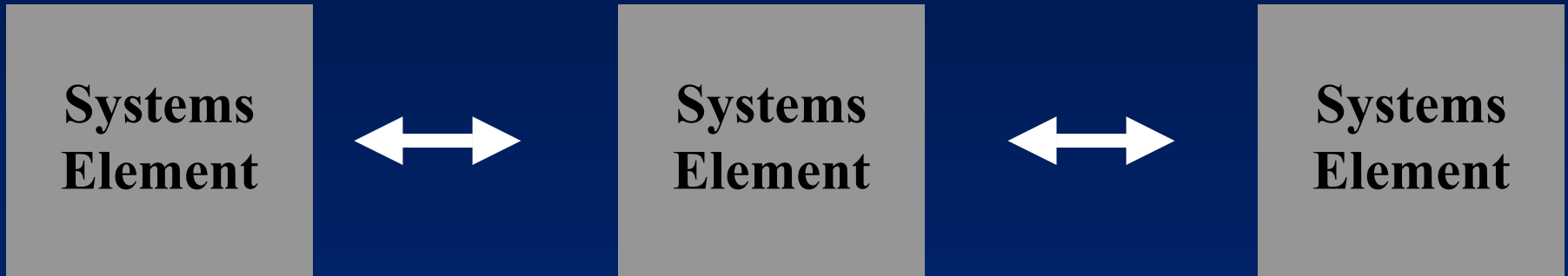
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	Standards		**Standards**	

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NEDSS Systems Architecture Elements

Systems Element	⟷	COTS Application	⟷	Systems Element
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- They are delineated by industry standards and the *de facto* standards of existing commercial product niches.
- They facilitate the use of commercial software as elements, but minimize proprietary commercial applications that cross element boundaries.
- They try to facilitate exit strategies to take advantage of new commercial development – and sharing with partners.

Local Health Department Or Clinical Site

State Health Department

B L

B L
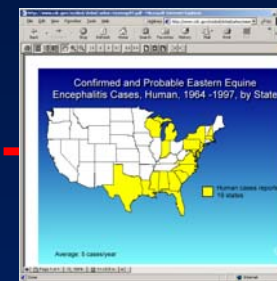
Reporting, GIS and Analysis

Electronic Laboratory Messages

B L

Integrated State / Local Data Repository

Security

Clinical Database

HL7

B L

XML Data Exchange

Shareable Directory of PH Personnel

CDC and Other Health Depts.

NEDSS System Architecture

Principles for CDC Developed Modules

- New modules should work through the NEDSS architecture and appropriate standards (PHCDM, HL7…)
- Should use the state Integrated Data Repository (IDR) – integrateable by state choice
- Should use a single (COTS) interface for moving data in/out (HL7, XML)
- Should use COTS products where possible (see NEDSS related software licensing document)
- Should begin to populate the NEDSS architecture for states that are just getting started
- All states should have the option of picking and choosing from CDC developed modules
- Should be integrateable into state web environments